



Complete Summary

TITLE

Rectal cancer: percentage of patients for whom postoperative adjuvant chemotherapy is considered or administered within 9 months (270 days) of diagnosis for patients under the age 80 years with AJCC stage II or stage III rectal cancer.

SOURCE(S)

ASCO/NCCN quality measures: breast and colorectal cancers. Alexandria (VA): American Society of Clinical Oncology, National Comprehensive Cancer Network, Inc.; 2007 Apr. 5 p.

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients for whom postoperative adjuvant chemotherapy is considered or administered within 9 months (270 days) of diagnosis for patients under the age 80 years with AJCC Stage II or Stage III rectal cancer.

RATIONALE

National Comprehensive Cancer Network (NCCN) Rectal Cancer Treatment Guideline Recommendations v2.2006:

REC-3/REC-B. cT3, N0 or T any, N1-2 should receive neoadjuvant concurrent chemo/radiation therapy (RT) OR adjuvant chemotherapy, OR cT4 and/or locally unresectable should receive neoadjuvant concurrent chemo/RT combination.

Postoperative therapy is indicated in all patients who receive preoperative therapy, regardless of the surgical pathology results.

PRIMARY CLINICAL COMPONENT

Rectal cancer; AJCC stage II or III; postoperative adjuvant chemotherapy

DENOMINATOR DESCRIPTION

- Age 18 to 79 at time of diagnosis
- Known or assumed to be first or only cancer diagnosis
- Primary tumors of the rectum
- Epithelial malignancy only
- AJCC clinical or pathologic AJCC Stage II or Stage III
- Known to be alive within 9 months (270 days) of diagnosis

NUMERATOR DESCRIPTION

Consideration or administration of postoperative adjuvant chemotherapy initiated within 9 months (270 days) of date of diagnosis

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Variation in quality for the performance measured

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Desch CE, McNiff KK, Schneider EC, Schrag D, McClure J, Lepisto E, Donaldson MS, Kahn KL, Weeks JC, Ko CY, Stewart AK, Edge SB. American Society of Clinical Oncology/National Comprehensive Cancer Network Quality Measures. J Clin Oncol 2008 Jul 20;26(21):3631-7. [46 references] [PubMed](#)

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Hospitals

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Ages 18 to 79 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better
Living with Illness

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patient under the age of 80 with a diagnosis of AJCC stage II or stage III rectal cancer (see the related "Denominator Inclusions/Exclusions" field)

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

- Age 18 to 79 at time of diagnosis
- Known or assumed to be first or only cancer diagnosis
- Primary tumors of the rectum
- Epithelial malignancy only
- AJCC clinical or pathologic AJCC Stage II or Stage III
- All or part of first course of treatment performed at the reporting facility
- Known to be alive within 9 months (270 days) of diagnosis

Exclusions

Unspecified

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition

DENOMINATOR TIME WINDOW

Time window follows index event

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Consideration or administration of postoperative adjuvant chemotherapy initiated within 9 months (270 days) of date of diagnosis

Exclusions

Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Registry data

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

External comparison at a point in time
External comparison of time trends
Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

The American Society of Clinical Oncology/National Comprehensive Cancer Network (ASCO/NCCN) Quality Measures are the result of a collaborative effort to answer the call for evidence-based rigorously developed, scientifically sound measures that can be used in national accountability programs dedicated to improving the quality of cancer care. Several features of these measures are noteworthy. The final measures were derived from measure sets from the National Initiative for Cancer Care Quality (NICCQ) and NCCN that have undergone extensive testing and validation supplemented by nationally accepted practice guidelines. Furthermore, prioritization of candidate measures used an explicit, data-driven process designed to ensure that measure adoption would have the maximal beneficial impact on cancer outcomes in the population.

Refer to the article cited below and in the "Companion Documents" field for additional information.

EVIDENCE FOR RELIABILITY/VALIDITY TESTING

Desch CE, McNiff KK, Schneider EC, Schrag D, McClure J, Lepisto E, Donaldson MS, Kahn KL, Weeks JC, Ko CY, Stewart AK, Edge SB. American Society of Clinical Oncology/National Comprehensive Cancer Network Quality Measures. J Clin Oncol 2008 Jul 20;26(21):3631-7. [46 references] [PubMed](#)

Identifying Information

ORIGINAL TITLE

Postoperative adjuvant chemotherapy is considered or administered within 9 months (270 days) of diagnosis for patients under the age of 80 years with AJCC stage II or III rectal cancer.

MEASURE COLLECTION

[ASCO/NCCN Quality Measures: Breast and Colorectal Cancers](#)

MEASURE SET NAME

[Colorectal Cancer Measures](#)

SUBMITTER

American Society of Clinical Oncology
National Comprehensive Cancer Network

DEVELOPER

American Society of Clinical Oncology/National Comprehensive Cancer Network

FUNDING SOURCE(S)

American Society of Clinical Oncology (ASCO) and National Comprehensive Cancer Network (NCCN)

COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE

Desch CE; McNiff KK; Schneider EC; Schrag D; McClure J; Lepisto E; Donaldson MS; Kahn KL; Weeks JC; Ko CY; Stewart AK; Edge SB

FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

Certain relationships marked with a "U" are those for which no compensation was received; those relationships marked with a "C" were compensated.

Employment or Leadership Position: Joan McClure, National Comprehensive Cancer Network (C); Stephen B. Edge, American College of Surgeons (U), National Comprehensive Cancer Network (U).

Consultant or Advisory Role: None.

Stock Ownership: None.

Honoraria: Eric C. Schneider, ASCO.

Research Funding: Eric C. Schneider, ASCO; Katherine L. Kahn -- recieved research support as co-PI of NCCQ study.

Expert Testimony: None.

Other Remuneration: None.

ADAPTATION

Measure was adapted from another source.

RELEASE DATE

2006 Jan

REVISION DATE

2007 Apr

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

ASCO/NCCN quality measures: breast and colorectal cancers. Alexandria (VA): American Society of Clinical Oncology, National Comprehensive Cancer Network, Inc.; 2007 Apr. 5 p.

MEASURE AVAILABILITY

The individual measure, "Postoperative Adjuvant Chemotherapy is Considered or Administered Within 9 Months (270 days) of Diagnosis for Patients Under the Age of 80 Years with AJCC Stage II or III Rectal Cancer," is published in "ASCO/NCCN Quality Measures: Breast and Colorectal Cancers". This document is available in Portable Document Format (PDF) from the [American Society of Clinical Oncology \(ASCO\) Web site](#).

For more information, please contact the American Society of Clinical Oncology (ASCO) at 2318 Mill Road, Suite 800, Alexandria, VA 22314; Telephone: 571-483-1300; Fax: 703-684-8364; Web site: www.asco.org/qualitymeasures.

COMPANION DOCUMENTS

The following is available:

- Desch CE, McNiff KK, Schneider EC, Schrag D, McClure J, Lepisto E, Donaldson MS, Kahn KL, Weeks JC, Ko CY, Stewart AK, Edge SB. American Society of Clinical Oncology/National Comprehensive Cancer Network Quality Measures. J Clin Oncol 2008 Jul 20;26(21):3631-7.

For more information, please contact the American Society of Clinical Oncology (ASCO) at 2318 Mill Road, Suite 800, Alexandria, VA 22314; Telephone: 571-483-1300; Fax: 703-684-8364; Web site: www.asco.org/qualitymeasures.

NQMC STATUS

This NQMC summary was completed by ECRI Institute on March 31, 2009. This information was verified by the measure developers on June 5, 2009.

COPYRIGHT STATEMENT

American Society of Clinical Oncology

This NQMC summary is based on the original measure, which is subject to the measure developer's copyright restrictions. Please contact the American Society of Clinical Oncology (ASCO) regarding downloading, use and reproduction of these materials.

For more information, please contact the American Society of Clinical Oncology (ASCO) at 2318 Mill Road, Suite 800, Alexandria, VA 22314; Telephone: 571-483-1300; Fax: 703-684-8364; Web site: www.asco.org/qualitymeasures.

National Comprehensive Cancer Network

This NQMC summary is based on the original measure, which is subject to the measure developer's copyright restrictions.

For more information, please contact the National Comprehensive Cancer Network at 275 Commerce Drive, Suite 300, Fort Washington, PA 19034; Telephone: 215-690-0255; Fax: 215-690-0280; Web site: www.nccn.org.

Disclaimer

NQMC DISCLAIMER

The National Quality Measures Clearinghouse™ (NQMC) does not develop, produce, approve, or endorse the measures represented on this site.

All measures summarized by NQMC and hosted on our site are produced under the auspices of medical specialty societies, relevant professional associations, public and private organizations, other government agencies, health care organizations or plans, individuals, and similar entities.

Measures represented on the NQMC Web site are submitted by measure developers, and are screened solely to determine that they meet the NQMC Inclusion Criteria which may be found at <http://www.qualitymeasures.ahrq.gov/about/inclusion.aspx>.

NQMC, AHRQ, and its contractor ECRI Institute make no warranties concerning the content or its reliability and/or validity of the quality measures and related materials represented on this site. The inclusion or hosting of measures in NQMC may not be used for advertising or commercial endorsement purposes.

Readers with questions regarding measure content are directed to contact the measure developer.

[Copyright/Permission Requests](#)

Date Modified: 7/27/2009

